

## EAST Search History

L10	356241	(grade grading graded stepped profile profiled profiling continuous continuously varying varied variable asymmetry asymmetric asymmetrically) WITH ( ( insulat\$5 dielectric oxide nitride) ((silicon adj (dioxide oxide) oxide near silicon SiO "SiO.sub.2" "SiO.sub.x") SOG OSG TEOS) (silicon adj nitride SiN "SiN.sub.2" "SiN.sub.3" "SiN.sub.4" "SiN.sub.x" ono oxynitride nitride nitrogen) (SiON (si silicon) adj (ox\$4 adj2 nitride oxynitride) ) (organic polymer\$6 polyimid\$4 co adj polyme\$4 copolyme\$4 copolyimid\$4) ) )	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 10:57
L11	81	10 and 4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 10:17
L12	36051	micron.as.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 10:17
L13	62	11 not 12	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 10:17
L14	39026	10.clm.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 10:17
L15	19	13 and 14	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 10:21
L16	62	13 and 1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 10:22
L17	7	8 and asymmetr\$6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 10:45

## EAST Search History

L18	18489	( (intergate interpoly interelectrode inter adj (poly gate electrode) ) NEAR2 ( ( (insulat\$5 dielectric oxide nitride) ((silicon adj (dioxide oxide) oxide near silicon SiO "SiO.sub.2" "SiO.sub.x") SOG OSG TEOS) (silicon adj nitride SiN "SiN.sub.2" "SiN.sub.3" "SiN.sub.4" "SiN.sub.x" ono oxynitride nitride nitrogen) (SiON (si silicon) adj (ox\$4 adj2 nitride oxynitride) ) (organic polymer\$6 polyimid\$4 co adj polyme\$4 copolyme\$4 copolyimid\$4) ) ) IGI IGD)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 10:55
L19	1386	18 NEAR9 (tunnel\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 10:46
L20	56	10 SAME 19	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 10:47
L21	32	20 not 12	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 10:47
L22	12	(@ad @pd) <"20020220" AND 21	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 10:50

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L23	1827	18.clm.	US-PGPUB; USPAT	OR	ON	2007/02/28 10:56
L24	491	23 SAME (tunnel\$4).clm.	US-PGPUB; USPAT	OR	ON	2007/02/28 10:57
L25	44814	(grade grading graded stepped profile profiled profiling continuous continuously varying varied variable asymmetry asymmetric asymmetrically) SAME ( ( insulat\$5 dielectric oxide nitride) ((silicon adj (dioxide oxide) oxide near silicon SiO "SiO.sub.2" "SiO.sub.x") SOG OSG TEOS) (silicon adj nitride SiN "SiN.sub.2" "SiN.sub.3" "SiN.sub.4" "SiN.sub.x" ono oxynitride nitride nitrogen) (SiON (si silicon) adj (ox\$4 adj2 nitride oxynitride) ) (organic polymer\$6 polyimid\$4 co adj polyme\$4 copolyme\$4 copolyimid\$4) ) ) .clm.	US-PGPUB; USPAT	OR	ON	2007/02/28 13:00
L26	29	24 SAME 25	US-PGPUB; USPAT	OR	ON	2007/02/28 12:49
L27	5	10/929916	US-PGPUB; USPAT	OR	ON	2007/02/28 12:53
L28	1	11/380599	US-PGPUB; USPAT	OR	ON	2007/02/28 12:53
L29	37931	( (high hi) adj (dielectric k) hfo zro tio tao lao alo (hafnium zirconium tantalum titanium lanthan\$3 aluminum) adj (oxide pentoxide ) "hf.sub.o" "zr.sub.o" "ti.sub.o" "ta.sub.o" "la.sub.o" "al.sub.o" ) .clm.	US-PGPUB; USPAT	OR	ON	2007/02/28 12:59
L30	572	(grade grading graded stepped profile profiled profiling continuous continuously varying varied variable asymmetry asymmetric asymmetrically) SAME 29	US-PGPUB; USPAT	OR	ON	2007/02/28 13:00
L31	33	30 SAME gate.clm.	US-PGPUB; USPAT	OR	ON	2007/02/28 13:14
L32	29	"6136652"	US-PGPUB; USPAT	OR	ON	2007/02/28 13:21
L33	1	"6136652".pn.	US-PGPUB; USPAT	OR	ON	2007/02/28 13:21

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5515	(257/314,239,315,325,E29.129,E29.274).CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/28 09:34
L2	5515	(257/314,239,315,325,E29.129,E29.274).CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/28 09:34
L3	0	l1 not L2	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 09:34
L4	308	(@ad @pd) > "20060912" AND 1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 10:48
L5	18061	(ALD ALE atomic adj (layer layered) adj (deposition epitaxial epitaxially epitaxy) ALCVD)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 09:39
L6	30	("20030134475" "20040207038" "20060278917" "5739567" "5768192" "5969383" "6087222" "6118159" "6157061" "6191459" "6204529" "6335554" "6376312" "6396745" "7154138" "7166886").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 09:56
L7	2	"7064376".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 10:07
L8	7	10/081818	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 10:07